



## CA-NV AWWA Water Loss Technical Assistance Program Wave 4 Water Audit Level 1 Validation Document

### Audit Information:

Utility: Joshua Basin Water District      PWS ID: 3610025  
System Type: Potable      Audit Period: Calendar 2016  
Utility Representation: Anne Roman (Finance Department), Randy Mayes (Production)  
Validation Date: 7/26/2017      Call Time: 2pm      Sufficient Supporting Documents Provided: Yes

### Validation Findings & Confirmation Statement:

#### Key Audit Metrics:

Data Validity Score: 61      Data Validity Band (Level): Band III (51-70)  
ILI: 0.6      Real Loss: 461.66 (gal/mile-main/day)      Apparent Loss: 3.51 (gal/conn/day)  
Non-revenue water as percent of cost of operating system: 2.6%

#### Certification Statement by Validator:

This water loss audit report has been Level 1 validated per the requirements of California Code of Regulations Title 23, Division 2, Chapter 7 and the California Water Code Section 10608.34.

All recommendations on volume derivation and Data Validity Grades were incorporated into the water audit. ☒

### Validator Information:

Water Audit Validator: Kate Gasner / Carolyn Prescott (support)      Validator Qualifications: Contractor for CA-NV AWWA Water Loss TAP

Validator Provided



**CA-NV AWWA Water Loss Technical Assistance Program**  
**Wave 4 Water Audit Level 1 Validation Document**

Water System Name: Joshua Basin Water District

Water System ID Number: 3610025

Water Audit Period: Calendar 2016

**Water Audit & Water Loss Improvement Steps:**

*Steps taken in preceding year to increase data validity, reduce real loss and apparent loss as informed by the annual validated water audit:*

Minimal changes occurred in 2016 reporting year. In 2017, started a residential meter replacement and testing program; Selected a new source meter testing company to resume testing by 2017 year end; Budgeted for an updated water model, which will help with pressure zone analysis; Better understanding of new billing software enables more dependable data retrieval; Education through AWWA Tap program aided in more accurate audit completion.

**Certification Statement by Utility Executive:**

This water loss audit report meets the requirements of California Code of Regulations Title 23, Division 2, Chapter 7 and the California Water Code Section 10608.34 and has been prepared in accordance with the method adopted by the American Water Works Association, as contained in their manual, *Water Audits and Loss Control Programs, Manual M36, Fourth Edition* and in the Free Water Audit Software version 5.

Utility Provided

Curt Sauer

General Manager

Curt Sauer

9/24/17

Executive Name (Print)

Executive Position

Signature

Date